Docket No.: Cell 4.8CON Applicants: Raju Kucherlapati et al. Filed: Concurrently Herewith Application No.: Not yet assigned Confirmation No.: Not yet assigned

HUMAN ANTIBODIES DERIVED FROM IMMUNIZED XENOMICE

R. Minako Pazdera, Reg. No. 46,984 Agent:

Express Mail No.: EV 132192110 US

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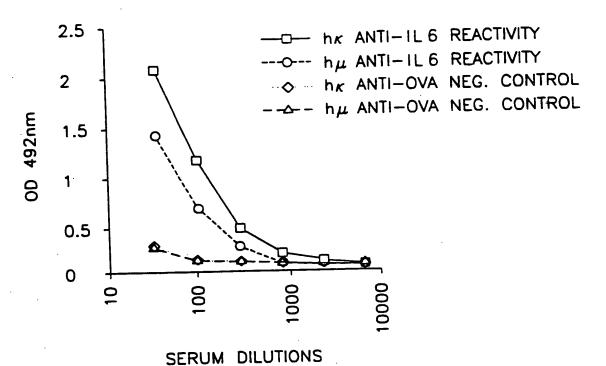


FIG. 1

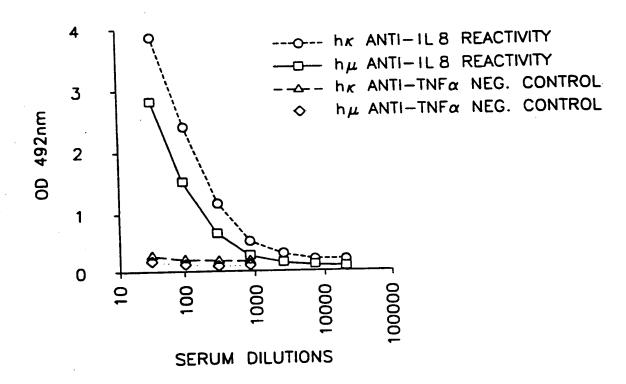


FIG. 2

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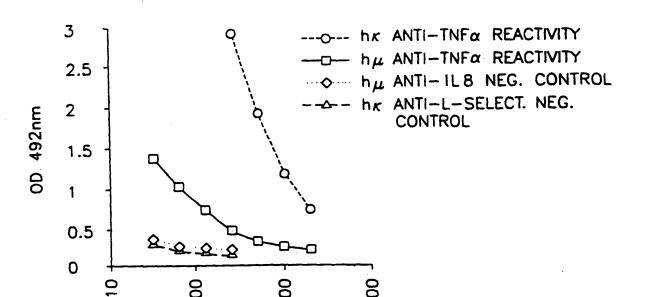


FIG. 3

SERUM DILUTIONS

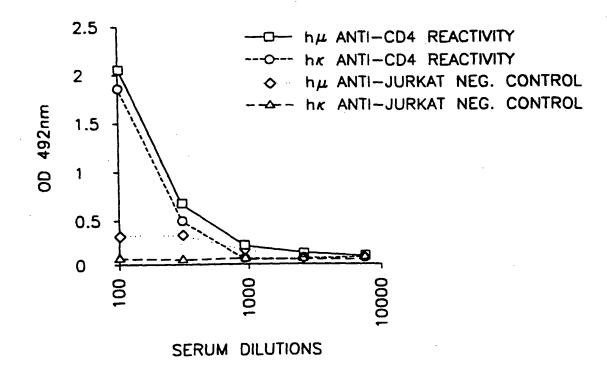


FIG. 4

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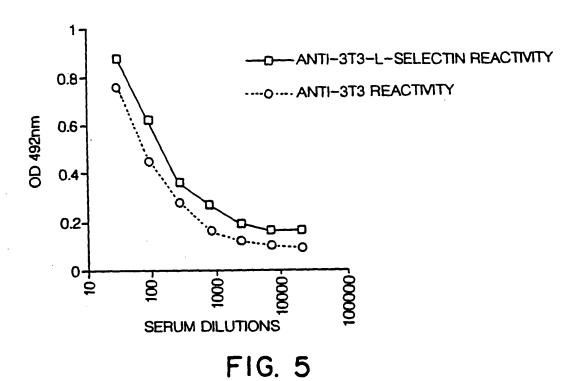
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1.5 ANTI-3T3-L-SELECTIN REACTIVITY OD 492nm O --- ANTI-3T3 REACTIVITY 1 0.5 0 †0 8 SERUM DILUTIONS FIG. 6

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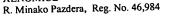
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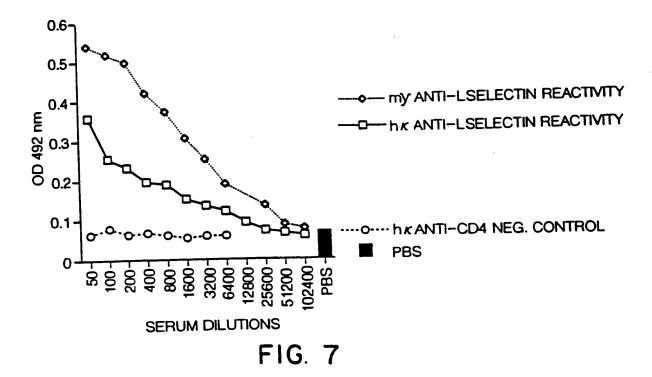
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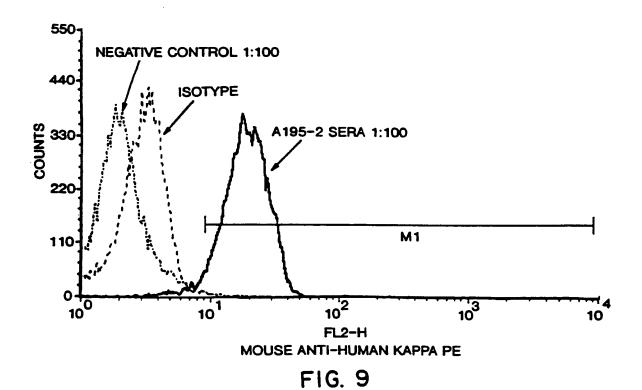
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500 400 A195-2 SERA 1:100 ISOTYPE 300 COUNTS .AM1.3 NEGATIVE CONTROL 200 1:100 100 10 FL2-H GOAT ANTI-MOUSE IgG-PE

FIG. 8



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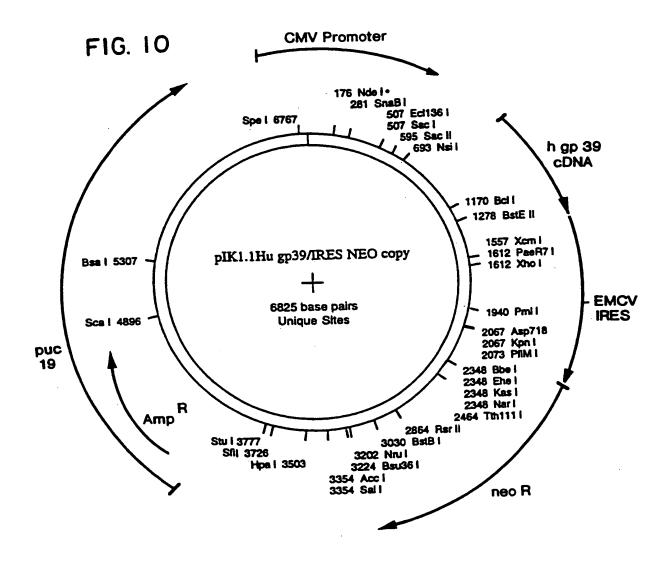
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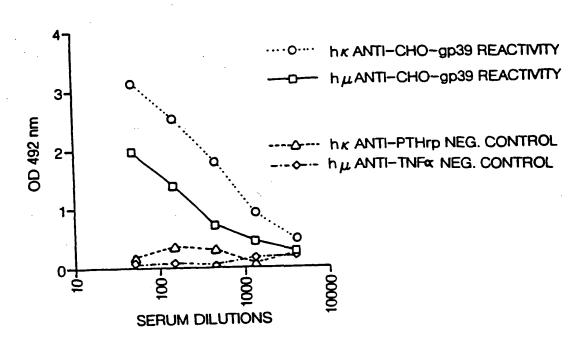
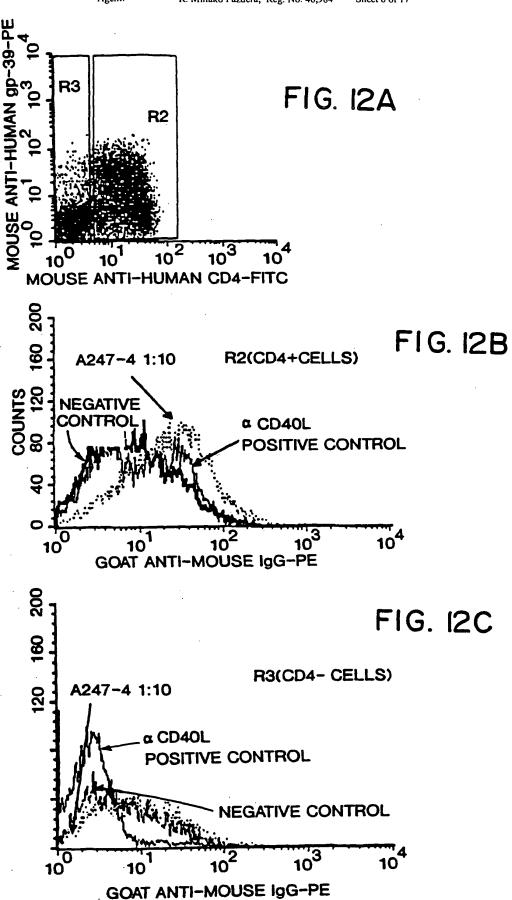


FIG. 11

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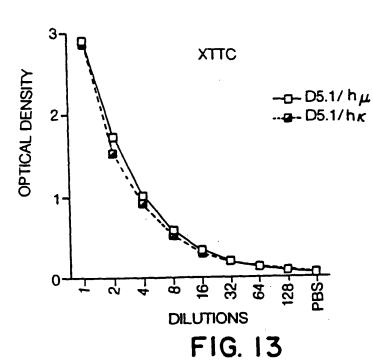
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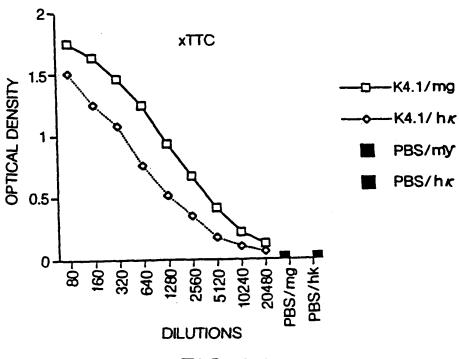


FIG. 14

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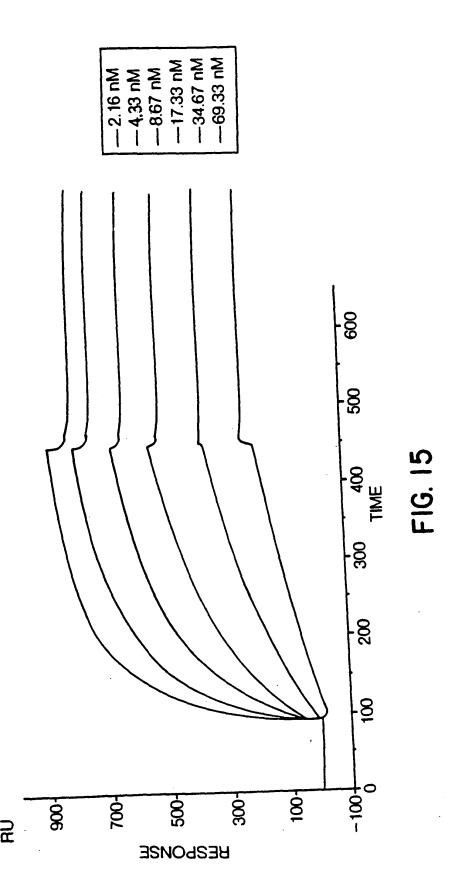
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200	100	150	200	250 250	259 300 22 21
GCCATCTCCG GGGACAGTGT GCCATCTCCG GGGACAGTGT	VH6 THACTT GGAMCTGGAT CAGGCAGTCC CCATCGAGAG GCCTTG	GCTGGGAAGG ACATACTACA GGTCCAAGTG GTATAATGAT TATGCAGTIAT ACTGGGAAGG ACATACTACA GGTCCAAGTG GTATAATGAT TATGCAGAIGT	CTGTGAAAAG TCGAATAACC ATCAACCCAG ACACATCCAA GAACCAGTTC CTGTGAAAAG TCGCATIJACC ATCAACCCAG ACACATCCAA GAACCAGTTC	TCCCTGCAGC TGAACTCTGT GACTCCCGAG GACACGGCTG TGTATTACTG TCCCTGCAGC TGAACTCTGT GACTCCCGAG GACACGGCTG TGTATTACTG	TECAAGAGAT ATAGCEGCAG CTGGTACCCT CTTTGACTAC TGGGGCCAGG TACAAGAGT ATAGCAGCAG CTGGTAG
Germline VH6 Hybridoma K4.1.6 Germline JH4 Germline D(N1)	Ine doma ine Ine	Germline VH6 Hybridoma K4.1.6 Germline JH4 Germline D(N1)	Germline VH6 Hybridoma K4.1.G Germline JH4 Germline D(N1)	Germline VH6 Hybridoma K4.1.6 Germline JH4 Germline D(N1)	Germline VH6 Hybridoma K4.1.6 Germline JH4 Germline D(N1)

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259 350 45 21		450 400 21 21		259 414 45	17
CACCGTCTCC TCAGCCCAAA CGACACCCCC ATCTGTCTAT	m γ1	AACTCCATGG TGACCCTGGG	•		
TCAGCCCAAA CGA	<u>-</u>	TGCCCAAACT AAC	m y 1		
GAACCCTGGT CACCGTCTCC GAACCCTGGT CACCGTCTCC	JH4	CCACTGGCCC CTGGATCTGC TGCCCAAACT AACTCCATGG TGACCCTGGG		ATGCCTGTCA AGGG	myl
Germiine VH6 Hybridoma K4,1.6 GA/ Germiine JH4 Germiine D(N1)	-	Germline VH6 Hybridoma K4.1.6 CC/ Germline JH4 Germline D(NI)		Germline VH6 Hybridoma K4.1.6 ATE Germline JH4	Ine -D(NI)

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20	100	150	191 200 6	197 250 38	197 300 38	197 350 38	
AACTACTTAG CTIGGTACCA GCAGAACCA GGACAGCCTC CTAAGCTGCT AACTACTTAG CTIGGTACCA ACAGAACCA GGACAGCCTC CTAAGCTGCT AACTACTTAG CTIGGTACCA ACAGAACCA GGACAGCCTC CTAAGCTGCT	CATTTACTGG GCATCTACCC GGGAATCCGG GGTCCCTGAC CGATTCAGTG CATTTACTGG GCATCTACCC GGGAATCCGG GGTCCCTGAC CGATTCAGTG B3	GCAGCGGGTC TGGGACAGAT TTCACTCTCA CCATCAGCAG CCTGCAGGCT GCAGCGGGTC TGGGACAGAT TTCACTCTCA CCATCAGCAG CCTGCAGGCT	GAAGATGTGG CAGTITATTA CIGICAGCAA TATTATAGT TTCCGCTCAC GAAGATGTGG CAGTITATTA CIGICAGCAA TATTATAGTC TTCCGCTCAC GCTCAC TATTATAGTC TTCCGCTCAC TATTAGTC TTCCGCTCAC TATTAGTC TTCCGCTCAC TATTAGTC TTCCGCTCAC TATTAGTC TTCCAC TATTAGTC TTCCAC TATTAGTCAC TATTAGTCAC TATTAGTCAC TATTAGTCAC TATTAGTCAC TATTAGTCAC TATTAGTCAC TATTAGTCAC TATTAGTCAC TATTAGTCACCAC TATTAGTCACCAC TATTAGTCACCAC TATTAGTCACCAC TATTAGTCACAC TATTAGTCACAC TATTAGTCACAC TATTAGTCACACACACACACACACACACACACACACACAC	TTTCGGCGGA GGGACCAAGG TGGAGATCAA ACGAACTGTG GCTGCACCAT	CTGTCTTCAT CTTCCCGCCA TCTGATGAGC AGTTGAAATC TGGATACTGC	CTCTGTTGTG TGCCTGCTGA ATAACTTCTA TCCCAGAGAG GCCAAAGTAC	· · · · · · · · · · · · · · · · · · ·
Germiine B3 Hybridoma K4.1 Germiine JK4	Germline B3 Hybridoma K4.1 Germline JK4	Germline B3 Hybridoma K4.1 Germline JK4	Germline B3 Hybridoma K4.1 Germline JK4	Germline B3 Hybridoma K4.1 Germline JK4	Germline B3 Hybridoma K4.1 Germline JK4	Germline B3 Hybridoma K4.1 Germline JK4	Germline B3 Hybridoma K4.1 GErmline JK4

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	20	100	150	200
CDR1	AGACCCTCTC ACTCACCTGT GCCATCTCCG GGGACAGTGT CTCTAGCBAC AGACCCTCTC ACTCACCTGT GCCATCTCCG GGGACAGTGT CTCTAGCGAC AGACCCTCTC ACTCACCTGT GCCATCTCCG GGGACAGTGT CTCTAGCGBAC AGACCCTCTC ACTCACCTGT GCCATCTCCG GGGACAGTGT CTCTAGCGBAC	AGTGCTGCTT GGAACTGGAT CAGGCAGTCC CCATCGAGAG GCCTTGAGTG AGTGCTGCTT GGAACTGGAT CAGGCAGTCC CCATCGAGAG GCCTTGAGTG	GCTGGGAAGG ACATACTACA GGTCCAAGTG GTATAATGAT TATGCAGTATTATGAT TATGCAGTATTATGATATGA	CTGTGAAAAG TCGAATAACC ATCAACCCAG ACACATCCAA GAACCAGTTC CTGTGAAAAG TCGAATAACC ATCAACCCAG ACACATCCAA GAACCAGTTC
	Germline VH6 Hybridoma D5.1.4 Germline JH4 Germline D(N1) Germline hMu	Germline VH6 Hybridoma D5.1.4 Germline JH4 Germline D(N1) Germline hMu	Germline VH6 Hybridoma D5.1.4 Germline JH4 Germline D(N1) Germline hMu	Germline VH6 Hybridoma D5.1.4 Germline JH4 Germline D(N1) Germline hMu

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GACATCGTGA TGACCCAGTC TCCAGACTCC CTGGCTGTGT CTCTGGGCGA	GAGGGCCACC ATCAACTGCA AGTCCAGCCA GAGTGTTTTA TACAGGTCCAACC ATCAACTGCA AGTCCAGCCA GAGTGTTTTG TACAGGTCCABCC ATCAACTGCA AGTCCAGCCA GAGTGTTTTG TACAGGTCCA	CTACTTAGCT TGGTACCAGC AGAAACCAGG ACAGCCTCCT CTACTTAGCT TGGTACCAGC AGAAACCAGG ACAGCCTCCT	CDRZ ICTACCCGG GAATCCGGGG TCCCTGACCG ICTACCCGG GAATCCGGGG TCCCTGACCG	ATTCAGIGGC AGCGGGTCTG GGACAGATTT CACTCTCACC ATCAGCAGCC ATTCAGIGGC AGCGGGTCTG GGACAGATTT CACTCTCACC ATCGGCAGCC
TGACCCAGTC T	ATCAACTGCA A ATCAACTGCA A	CTACTTAGCT	TTTACTGGGC A	A6C6GGTCTG GAGCGGGTCTG GAGCGGGTCTG GAGCGGTCTG GAGCGTCTG GAGCTCTG GAGCGTCTG GAGCTCTG
GACATCGTGA	GAGGGCCACC	ACAATAAGAA (GCAATAAGAA (AAGCTGCTCA TTTACTGGGC ATCTACCCGG	ATTCAGTGGC /
Germline B3 Hybridoma D5.1.4 Germline JK3 Germline CK	Germiine B3 Hybridoma D5.1.4 Germiine JK3 Germiine CK	Germline B3 Hybridoma D5.1.4 Germline JK3 Germline CK	Germline B3 Hybridoma D5.1.4 Germline JK3 Germline CK	Germline B3 Hybridoma D5.1.4 Germline JK3 Germline CK

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Germline B3 Hybridoma D5.1.4 Germline JK3 Germline CK	TGCAGGCTGA TGCAGGCTGA	TGCAGGCTGA AGATGTGGCA GTTTATTACT GTCAGCAATA TTATAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGTAGT	GTTTATTACT	GTCAGCAATA GTGAGCAATA	TTATAGTAGT
Germline B3 Hybridoma D5.1.4 Germline JK3 Germline CK	CCATTCAATT ATTCACTT	CCATTCAATT TCGGCCCTGG GACCAGAGTG GATATCAAAC GAACTGTGGCATTCACTT TCGGCCCTGG GACCAAAGTG GATATCAAACGAACTGTGGCATTCACTT TCGGCCCTGG GACCAAAGTG GATATCAAACGAACTGTGGCATTCACTT TCGGCCCTGG GACCAAAGTG GATATCAAACGAACTGTGGC	GACCAGAGTG GACCAAAGTG	GATATCAAAC	AC GAACTGTGGC AC GAACTGTGGC
Germiine B3 Hybridoma D5.1.4 Germiine JK3 Germiine CK	TGCACCATCT	TGCACCATCT GTCTTCATCT TCCCGCCATC TGATGAGCAG TGCACCATCT GTCTTCATCT TCCCGCCATC TGATGAGCAG	TCCCGCCATC	TGATGAGCAG	TTGAAATCTG TTGAAATCTG
Germline B3 Hybridoma D5.1.4 Germline JK3 Germline CK	GAACTGCCTC	GAACTGCCTC TGTTGTGTGC CTGCTGAATA ACTTCTATCC CAGAGAGGCC GAACTGCCTC TGTTGTGTGC CTGCTGAATA ACTTCTATCC CAGAGAGGCC	CTGCTGAATA CTGCTGAATA CTGCTGAATA	ACTTCTATCC	CAGAGAGGCC
Germline B3 Hybridoma D5.1.4 Germline JK3 Germline CK	AAAGTACAGT AAAGTACAGT	AAAGTACAGT GGAAGGTGGA TAACGCCCTC CAATCGGGTT GGGGAAAAA AAAGTACAGT GGAAGGTGGA TAACGCCCTC CAATCGGGT-	TAACGCCCTC TAACGCCCTC CK	CAATCGGGTT CAATCGGGT-	GGGGAAAA